USER'S GUIDE FOR THE NASA EQUIPMENT MANAGEMENT SYSTEM (NEMS) WEB FRONT END

Release 5.0

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National Aeronautics and Space Administration

George C. Marshall Space Flight Center Huntsville, AL 35812

USER'S GUIDE FOR NEMS WEB FRONT END RELEASE 5.0

		Submi	tted by	
_	Nool Controll		Date	
Neal Cantrell Functional Area Lead			Date	
		Reviev	wed by	
		CS	SC .	
Hector Garcia Agencywide IRM	Г	Date	Jim Cofer Configuration Management	Date
/igonoy wido iriii			comigaration management	
Richard Bishop		Date		
Data Base Admini		ai c		

Prepared by

Computer Sciences Corporation, Contract NAS8-60000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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Approved by

Sheila Fogle Consolidation Center Project Manager Date

Nikita Zurkin Date
Program Functional Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

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1. GENERAL FRAMEWORK

1.1 PURPOSE

The purpose of the NASA Equipment Management System (NEMS) Web Front End is to allow a user to change Equipment Location (W29 transaction) or User Number (W31 transaction) via a web page. The data to support this web page is created and maintained in the NEMS database through mainframe NEMS processing.

This User's Guide is prepared for both the users and Automated Data Processing (ADP) personnel. Information described in the User's Guide will give a general picture of the system and allow easier access to the NEMS system for the users or ADP personnel.

1.2 ACCESSIBILITY

Users should get the URL to access the NEMS Web Front End from their local center contact. This contact can be found on the Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) home page under the NEMS contact list:

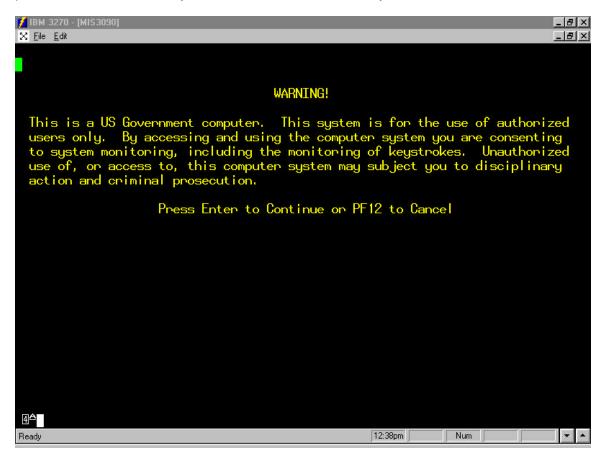
http://www.msfc.nasa.gov:80/sesaas/nems/contactlist.html

Each center will have a link that will allow valid users for that center to access their information.

2. NEMS MAINFRAME PROCESSING

2.1 WARNING SCREEN

Upon invoking the NEMS application, the Logon Warning screen appears (as shown below). This screen is displayed to warn unauthorized users of disciplinary action and criminal prosecution. The required action is to either press the **<ENTER>** key to continue or the **PF12** key to cancel.



INPUT DATA

• Press **<Enter>**.

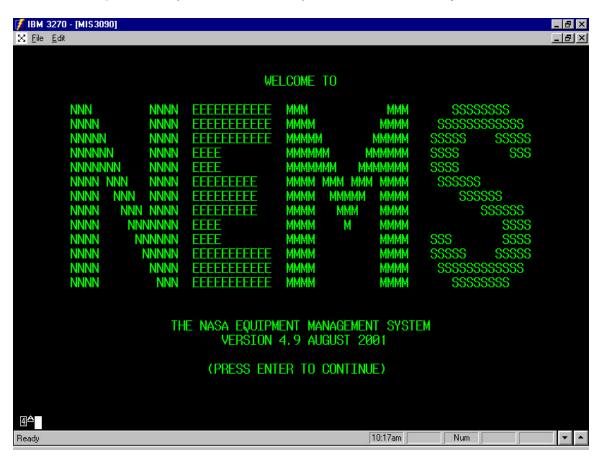
This results in the display of the NEMS Welcome screen.

Press **PF12**.

This results in the user being logged off of the system.

2.2 NEMS WELCOME SCREEN

After the display of the Warning Screen, the NEMS Welcome screen appears (as shown below). The required action is to press the **<Enter>** key.



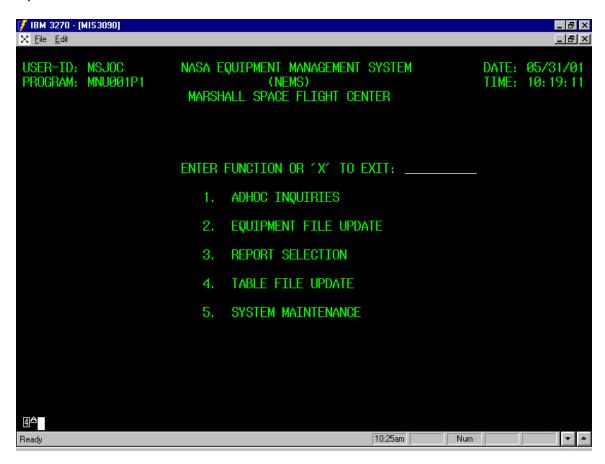
INPUT DATA

• Press **<Enter>**.

This results in the display of the NEMS Main Menu.

2.3 NEMS MAIN MENU

The NEMS Main Menu displays available functions and allows for the selection of system processing functions. The processing functions include Adhoc Inquiries, Equipment File Updates, Reports, Table File Updates, and System Maintenance. For the purposes of this User's Guide only the Adhoc Inquiries and Table File Update will be described.



INPUT DATA

- Enter Function
- Press < Enter >.

Input Value = 1, 4, or X

2.3.1 NEMS Adhoc Inquiries Menu

Enter 1 for Function on the NEMS Main Menu to access the NEMS Adhoc Inquiries Menu.

This function provides adhoc retrieval of equipment or table data. For the purposes of this User's Guide only option **9** (Table File by Table Number) will be discussed. The NEMS Adhoc Inquiries Menu is displayed.



INPUT DATA

Enter Selection

input value = 9 or X

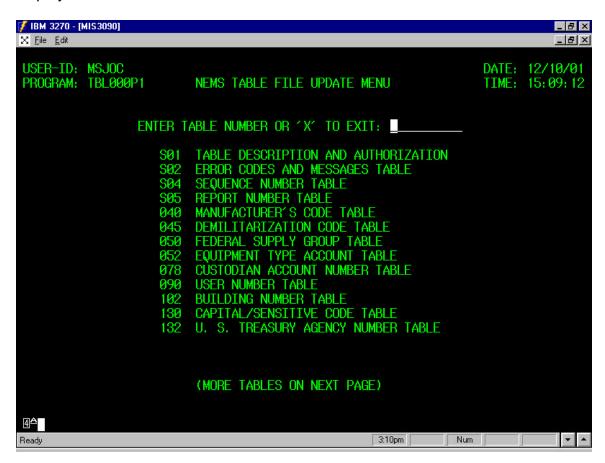
Press < Enter>.

This results in the display of the requested NEMS Table File Adhoc Menu screen.

2.3.1.1 NEMS Table File Adhoc Menu

Enter **9** for Function on the NEMS Adhoc Inquiries Menu to access the NEMS Table File Adhoc Menu.

The NEMS Table File Adhoc Menu screen allows the user to display information for various tables. For the purposes of this User's Guide only table **090** (User Number Table) will be discussed. The NEMS Table File Adhoc Menu screen is displayed.



INPUT DATA

Enter Table Number input value = 090 or X

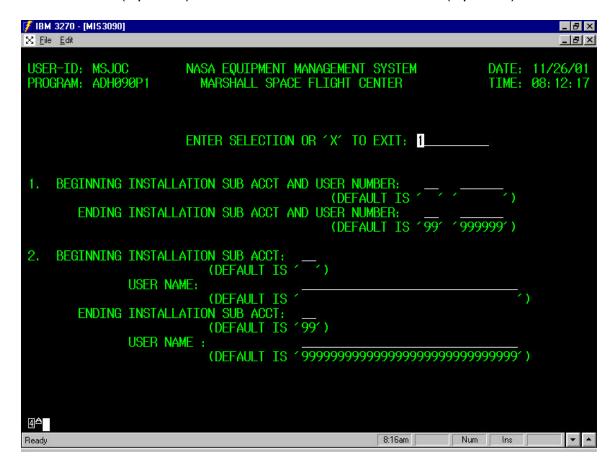
• Press **<Enter>**.

This results in the display of the User Number Table.

2.3.1.1.1 NEMS Web User ID Table

Enter **090** for Table Number on the NEMS Table File Menu to access the User Number Table.

This screen allows the user to select the User Number by Sub-Installation and User Number (Option 1) or Sub-Installation and User Name (Option 2).



INPUT DATA

Enter Selection

input value = 1, 2, or X

Press < Enter >.

This results in the display of the User Number Table.

The User Number Table will display a list of User Numbers. The NEMS User Number Table displays the Sub-Installation, User Number, User Name, Mail Code, User Phone Number, and Web User ID.



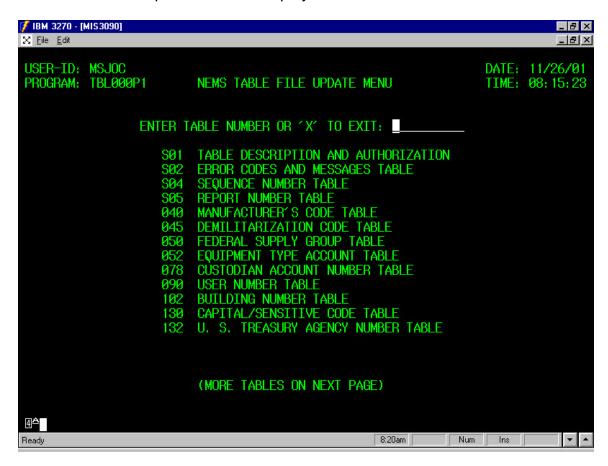
INPUT DATA

- Selection Input values = N, R, or X
- Press **Enter>** to view more User Numbers.

2.3.2 NEMS Table File Update Menu

Enter 4 for Function on the NEMS Main Menu to access the NEMS Table File Update Menu.

This function provides Maintenance for the NEMS System. For the purposes of this User's Guide only table 090 (User Number Table) will be discussed. The NEMS Table File Update Menu is displayed.



INPUT DATA

Enter Table Number

input value = 090 or X

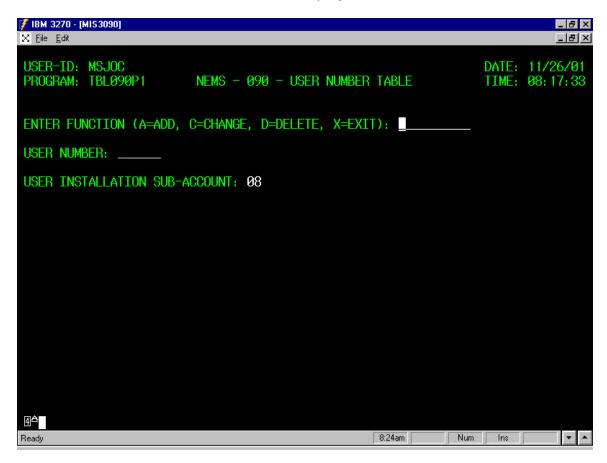
Press < Enter>.

This results in the display of the NEMS User Number Table.

2.3.2.1 User Number Table

Enter **090** on the NEMS Table File Update Menu to access the User Number Table.

The User Number Table allows the user to add, change, or delete User Numbers. The User Number screen is displayed.



INPUT DATA

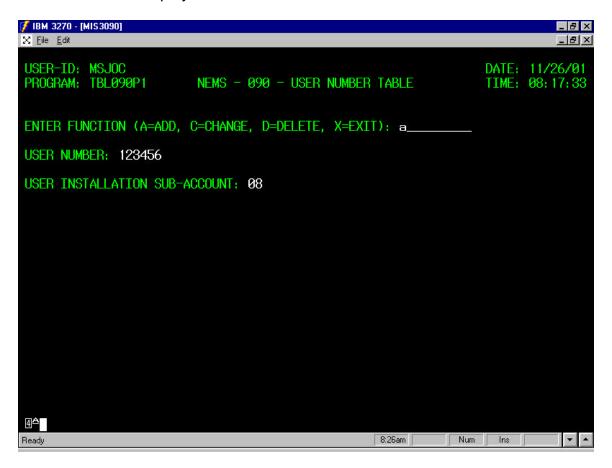
- Enter Function
- Enter User Number
- Press < Enter >.

input values = **A**, **C**, **D**, or **X** input value = valid User Number

2.3.2.1.1 Add User Number Table

Enter 'A' for the Enter Function and a new User Number on the User Number table screen to access the User Number Table.

This function allows the user to create a new User Number. The new User Number Table is displayed.



INPUT DATA

Enter Function

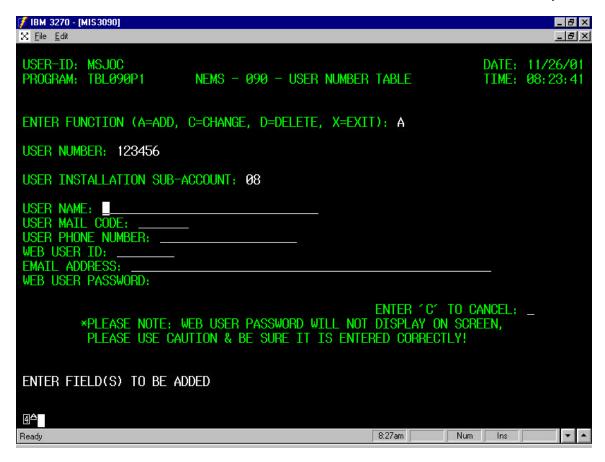
input value = A

• Enter User Number

required, must be unique

Press <Enter>.

This results in the display of additional fields to be filled in with information required to create a User Number.



INPUT DATA

•	User Name	required
•	User Mail Code	required
•	User Phone Number	required
•	Web User ID	optional
•	Email Address	optional, required if Web User ID is entered
•	Web User Password	optional, required if Web User ID is entered

• Press **<Enter>**.

This results in the display of the message 'Previous Record Successfully Added' and returns to the User Number Table screen.

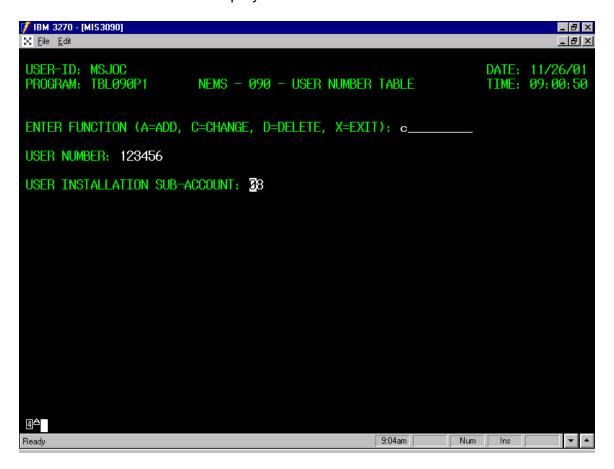
- To cancel the add request.
 - o Enter 'C' in the Enter 'C' to Cancel.
 - o Press <Enter>.

This results in the display of the message 'Previous Activity Has Been Cancelled' and returns to the User Number Table screen.

2.3.2.1.2 Change User Number Table

Enter a 'C' for the Enter Function and an existing User Number on the User Number table screen to access the User Number Table.

This function allows the user to change information for an existing User Number. The User Number Table is displayed.

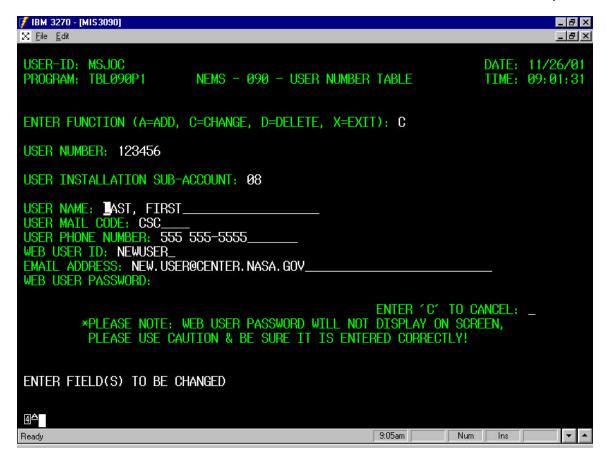


INPUT DATA

Enter Function input value = C
 User Number required

• Press **<Enter>**.

This results in the display of additional fields with the current information for a User Number. This information can be modified.



INPUT DATA

- User Name
- User Mail Code
- User Phone Number
- Web User ID
- Email Address
- Web User Password
- Press **<Enter>**.

This results in the display of the message 'Previous Record Successfully Updated' and returns to the User Number Table screen.

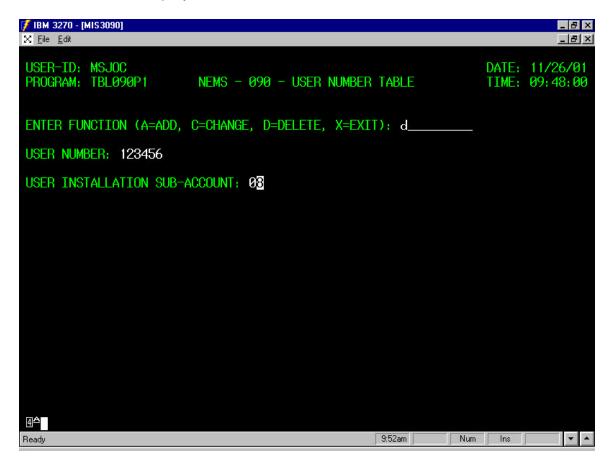
- To cancel the change request.
 - Enter 'C' in the Enter 'C' to Cancel.
 - Press < Enter>.

This results in the display of the message 'Previous Activity Has Been Cancelled' and returns to the User Number Table screen.

2.3.2.1.3 Delete User Number Table

Enter a '**D**' for the Enter Function and an existing User Number on the User Number table screen to access the User Number Table.

This function allows the user to delete an existing User Number. The User Number Table is displayed.

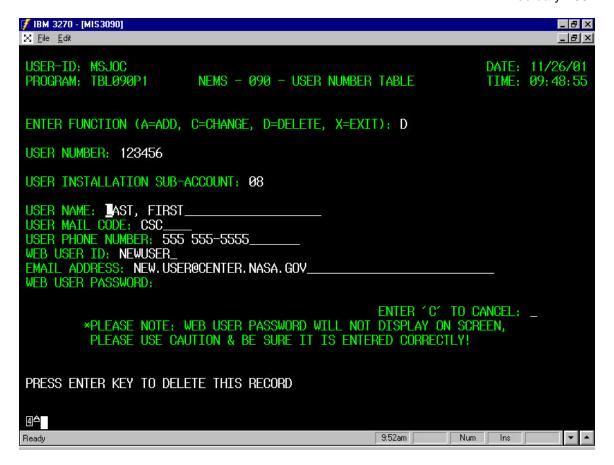


INPUT DATA

Enter Function input value = D
 User ID required

• Press **<Enter>**.

This results in the display of additional information for a User Number. This information is displayed to verify that this is the correct User Number to be deleted.



INPUT DATA

- To process the delete request.
 - Press < Enter>.

This results in the display of the message 'Previous Record Successfully Deleted' and returns to the User Number Table screen.

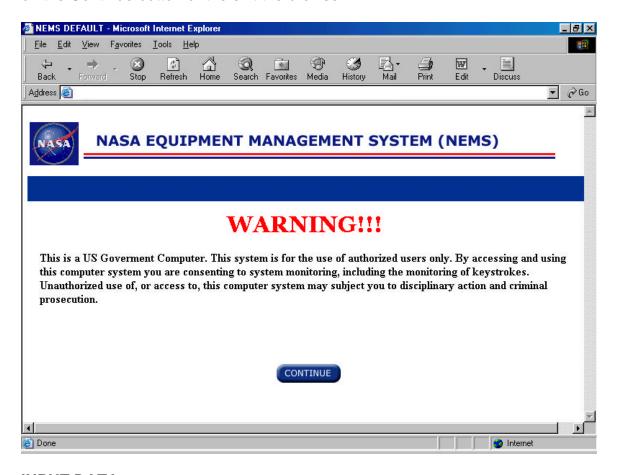
- To cancel the delete request.
 - Enter 'C' in the Enter 'C' to Cancel.
 - Press < Enter>.

This results in the display of the message 'Previous Activity Has Been Cancelled' and returns to the User Number Table screen.

3. NEMS WEB PROCESSING

3.1 WARNING SCREEN

Upon invoking the NEMS Web application, the Logon Warning screen appears (as shown below). This screen is displayed to warn unauthorized users of disciplinary action and criminal prosecution. The required action is to either click on the Continue button or the exit the browser.

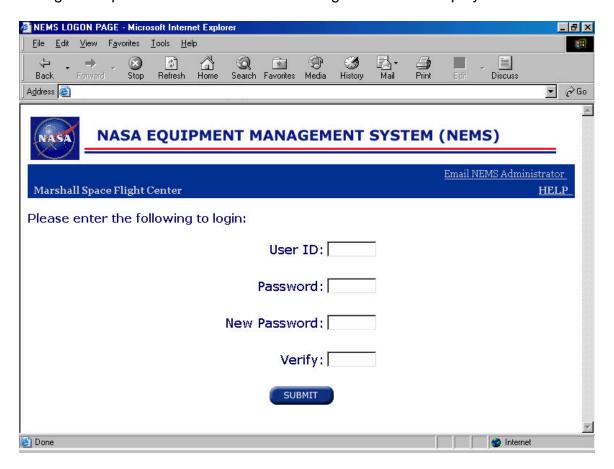


INPUT DATA

- Click the CONTINUE Button
 This results in the display of the NEMS Web Logon screen.
- Exit browser to CANCEL

3.2 NEMS WEB LOGON SCREEN

The NEMS Web Logon screen prompts the user for entry of their User ID and Password. The NEMS Web Logon screen also give the user the opportunity to change their password. The NEMS Web Logon screen is displayed.



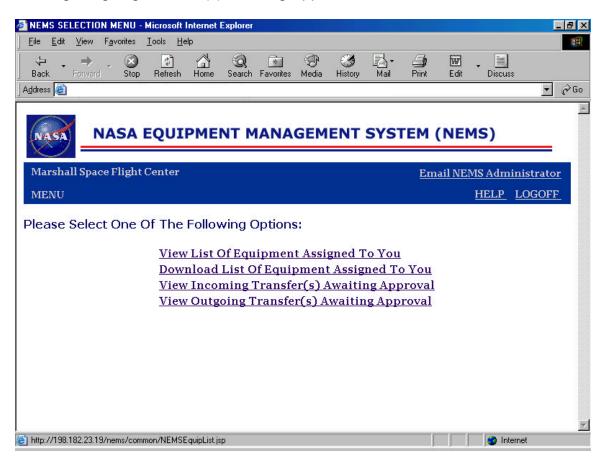
INPUT DATA

User ID required, must be valid User ID
 Password required, must be valid password
 New Password optional
 Verify optional, must match New Password if entered

 Click SUBMIT button. Upon verification of the User ID and Password, the NEMS Web Menu will be displayed. If the New Password and Verify are entered, upon verification of the User ID and Password, the User's password will be updated also.

3.3 NEMS WEB MENU

The NEMS Web Menu displays the selection of system processing functions. The processing functions include Listing Equipment for a User, Downloading the List of User's Equipment, Viewing Incoming Transfer(s) Awaiting Approval, and Viewing Outgoing Transfer(s) Awaiting Approval.



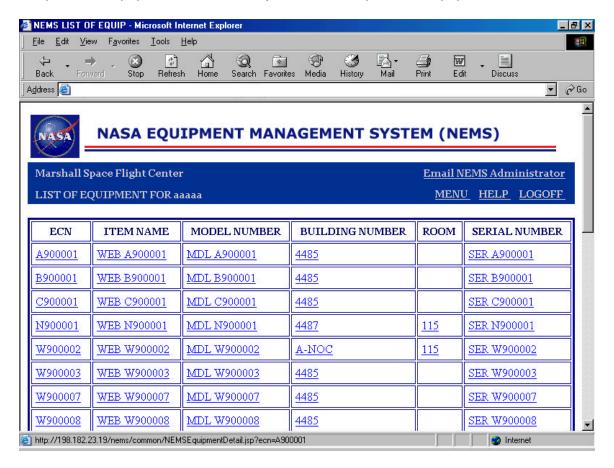
INPUT DATA

- Click on one of the following options:
 - View List of Equipment Assigned To You
 - Download List of Equipment Assigned To You
 - View Incoming Transfer(s) Awaiting Approval
 - View Outgoing Transfer(s) Awaiting Approval

3.3.1 View List Of Equipment Assigned To You

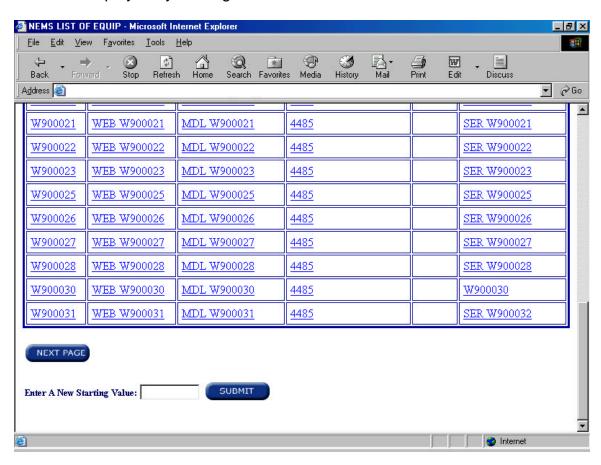
Select View List of Equipment on the NEMS Web Menu to display the list of equipment for the user.

The ECN, Item Name, Model Number, Building Number, Room, and Serial Number for each piece of equipment assigned to the user will be displayed. To see more detail about any piece of equipment or change the user or location for the piece of equipment, click on any field for that piece of equipment.



3.3.1.1 View List of Equipment Assigned to You - Next Page

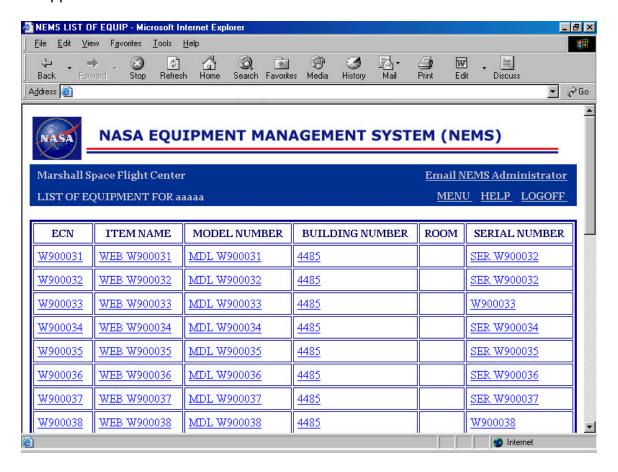
Scroll to the bottom of the page. If a user has more than 25 pieces of equipment then the NEXT PAGE button will be displayed at the end of the equipment list. The user can display the next page of equipment until all equipment for the user has been displayed by clicking on the NEXT PAGE button.



INPUT DATA

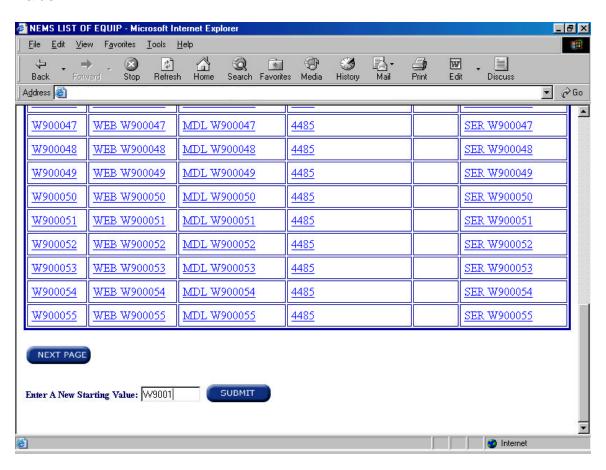
 Click NEXT PAGE button. The list of equipment displays the next page of equipment for the User. The next page of equipment will be displayed starting with the last ECN from the previous list.

When all the equipment has been displayed, the NEXT PAGE button will disappear.



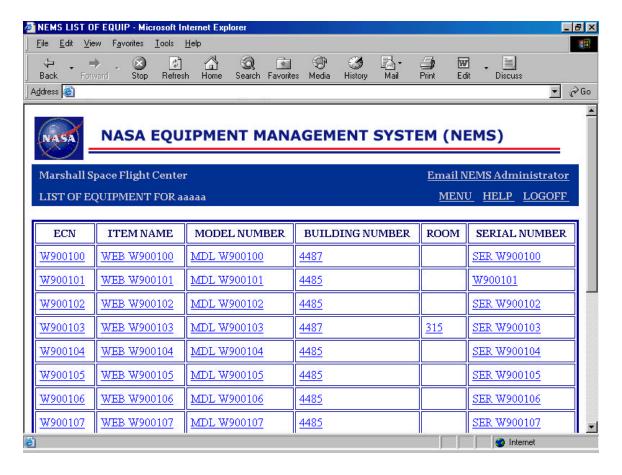
3.3.1.2 View List of Equipment Assigned to You – New Starting Value

If the user wants to start the list at a certain point they can enter an ECN or partial ECN to reposition the equipment list to the desired value. The ECN or partial ECN can be entered at the bottom of the page at Enter A New Starting Value.



INPUT DATA

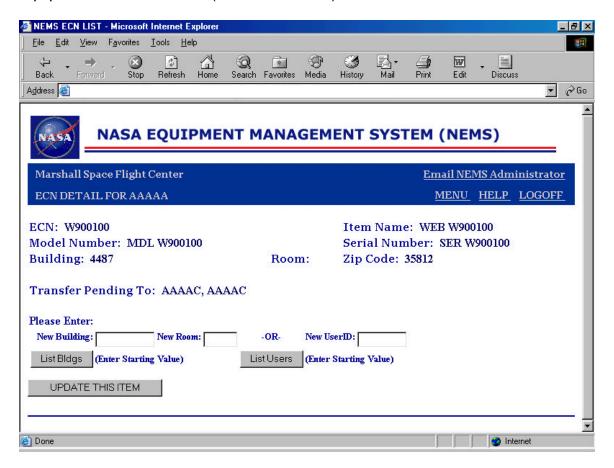
 Enter a New Starting Value (partial or complete ECN) and Click SUBMIT button. The list of equipment will be displayed starting with the ECN entered or the next ECN when the ECN entered is not available.



3.3.1.3 View List of Equipment Assigned to You – Detail

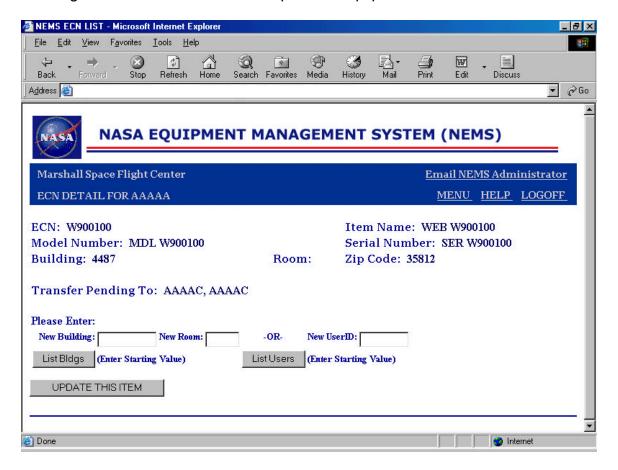
The View List Of Equipment Assigned To You - Detail allows the user to see more detail for the selected ECN. The ECN, Item Name, Model Number, Serial Number, Building, Room, and Zip Code will be displayed. If the item is waiting to be transferred to another user, the new user's name will be displayed next to Transfer Pending To.

The user has the option to update the Building and Room (if updating the room, you must enter a building) information (W29 transaction) or transfer the equipment to another user (W31 transaction).



3.3.1.3.1 Update Building and Room Number (W29)

The Building and Room Number (W29) transaction allows a user to update the Building and Room information for a piece of equipment.



INPUT DATA

New Building Required for transaction W29, must be on NEMS table 102.

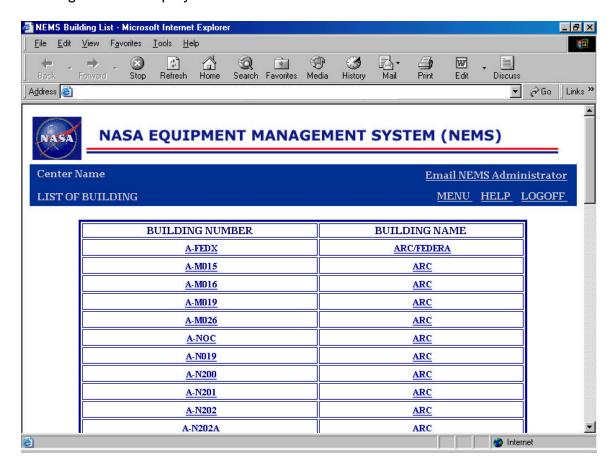
New Room Optional for transaction W29 (must enter a building if entering a room)

New User ID
 Must not be entered for transaction W29

Click on the List Bldgs button, if the building number is not known.
 A list of buildings from NEMS table 102 will be displayed. If a value is entered in the New Building field the list will start from that value.

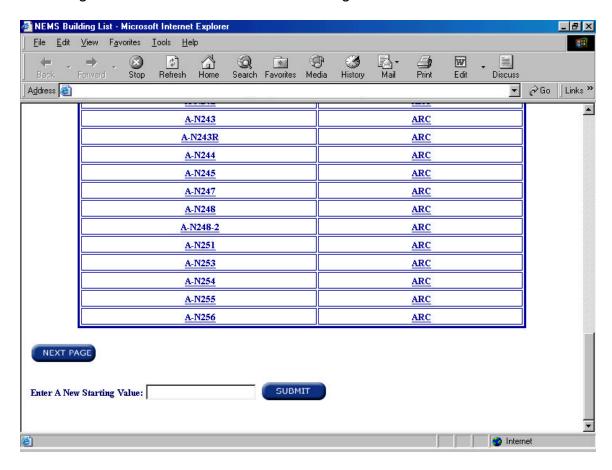
3.3.1.3.1.1 List Buildings

The List Buildings screen will display the buildings in NEMS table 102. Up to 50 buildings can be displayed at one time.



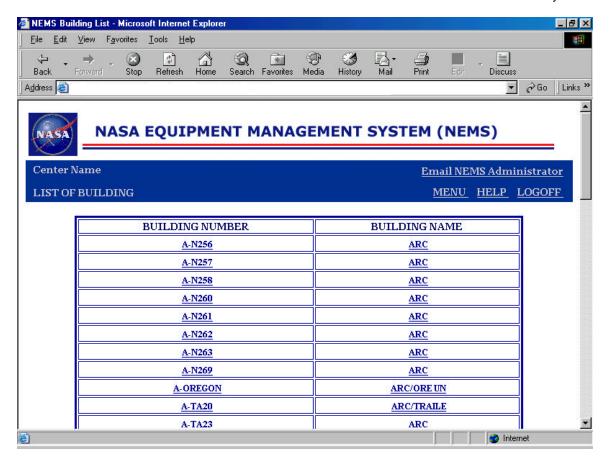
3.3.1.3.1.1.1 List Buildings - Next Page

The **NEXT PAGE** button will be displayed at the end of each page when more buildings remain to be displayed. The user will also have the opportunity to enter a building from which to start the list of buildings.



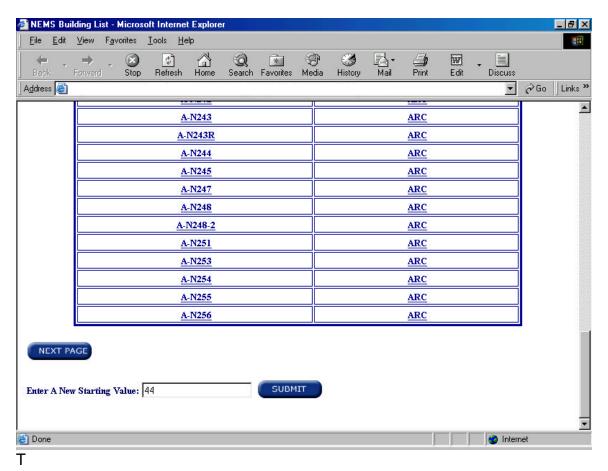
INPUT DATA

• If the user clicks on the **NEXT PAGE** button, the list of buildings will be redisplayed starting with the last building from the previous page.



3.3.1.3.1.1.2 List Buildings - New Starting Value

The list of buildings will be redisplayed starting with the building number (or partial building number) entered in the New Starting Value field.

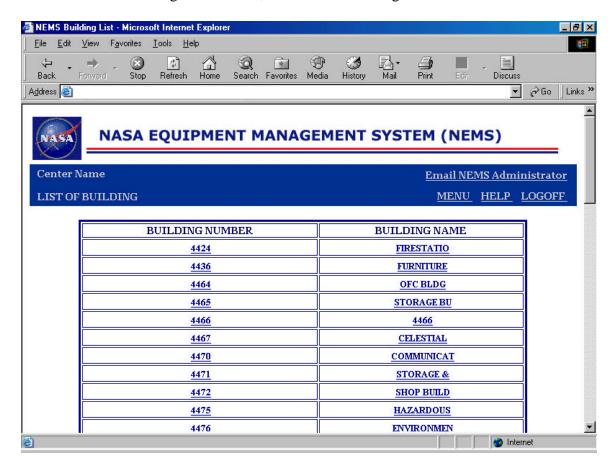


INPUT DATA

• Enter A New Starting Value and click **SUBMIT** button. The list of buildings from NEMS table 102 will be displayed starting with that building entered or with the next building if that one is not available.

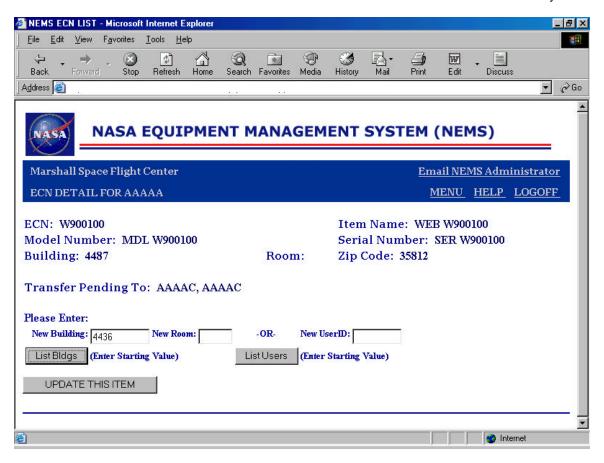
3.3.1.3.1.1.3 List Buildings - Selection

To select a new building for the ECN, click on the building.



INPUT DATA

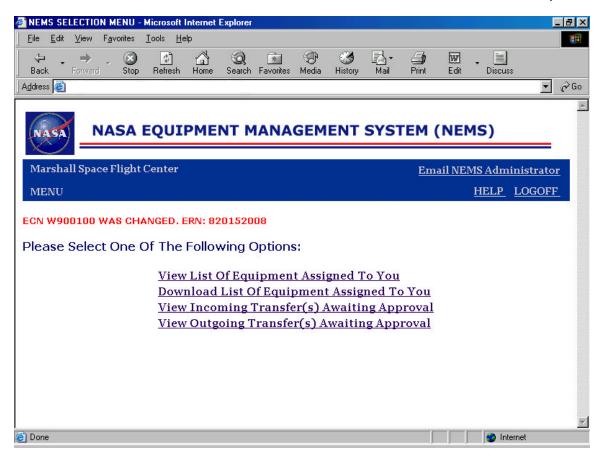
Click on Building Number or Building Name.
 The building number will be passed back to the List of Equipment screen in the New Building field.



INPUT DATA

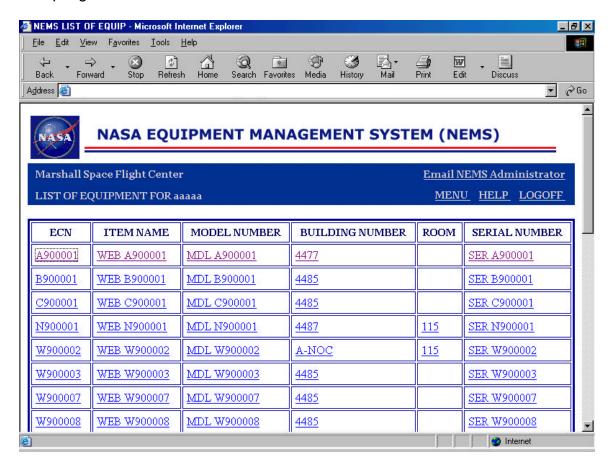
• Click **UPDATE THIS ITEM** button.

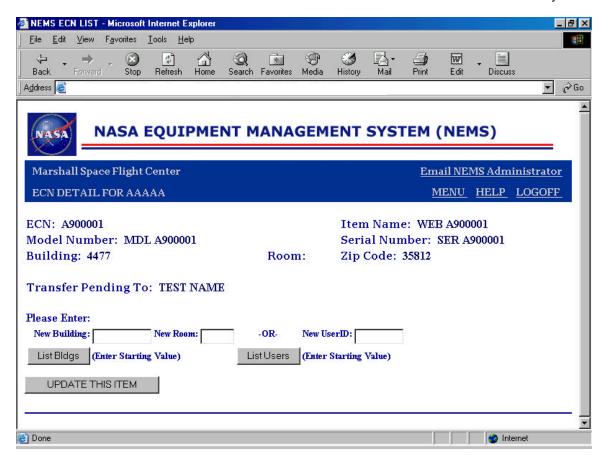
Upon validation of the New Building the building and room fields are updated. The NEMS Web Menu is redisplayed with a message indicating that the ECN was changed.



3.3.1.3.2 Update User ID (W31)

The Update User ID (W31) transaction allows a user to transfer a piece of equipment to another user. This transaction is dependent on the new user accepting the transfer.





INPUT DATA

New Building
 New Room
 Must not be entered for transaction W31
 Must not be entered for Transaction W31

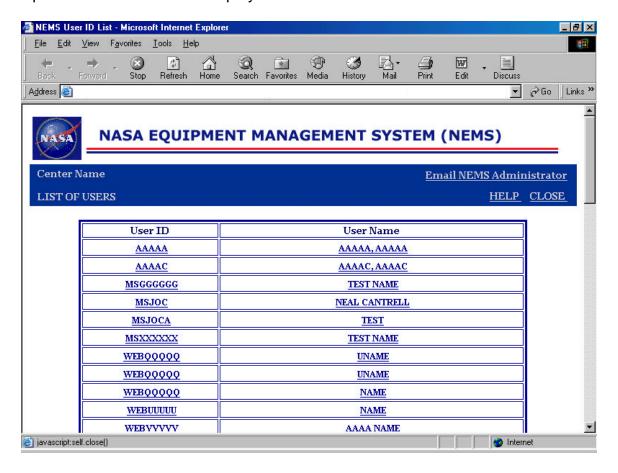
VV31

New User ID Required

• If the user clicks on the **List Users** button, a list of Users from NEMS table 090 will be displayed. If a value is entered in the New User ID field the list will start from that User ID or the next User ID if that one is not available.

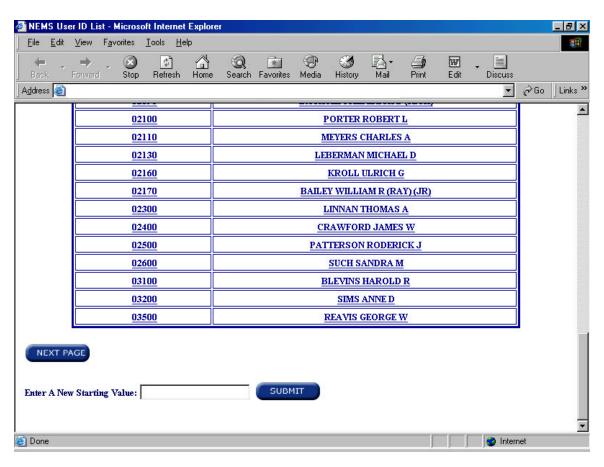
3.3.1.3.2.1 List Web User IDs

The List Web User IDs screen will display the Web User IDs in NEMS table 090. Up to 50 User IDs can be displayed at one time.



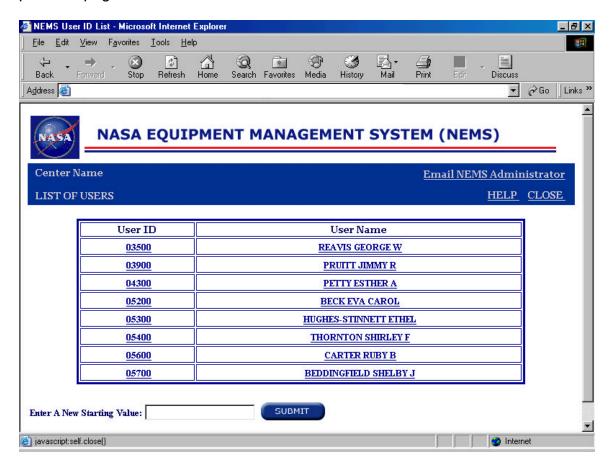
3.3.1.3.2.1.1 List User IDs - Next Page

The **NEXT PAGE** button will be displayed at the end of each page when more User IDs remain to be displayed. The **NEXT PAGE** button will allow the user to display the next page of User IDs. The user will also have the opportunity to enter a User ID from which to start the list of User IDs.



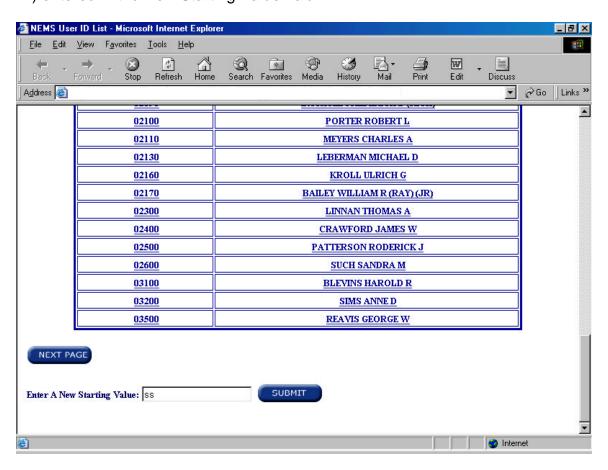
INPUT DATA

 If the user clicks on the NEXT PAGE button, the next page of User IDs from NEMS table 090 will be displayed. The list of User IDs will be redisplayed starting with the last User ID from the previous page.



3.3.1.3.2.1.2 List User IDs - New Starting Value

The list of User IDs will be redisplayed starting with the User ID (or partial User ID) entered in the New Starting Value field.

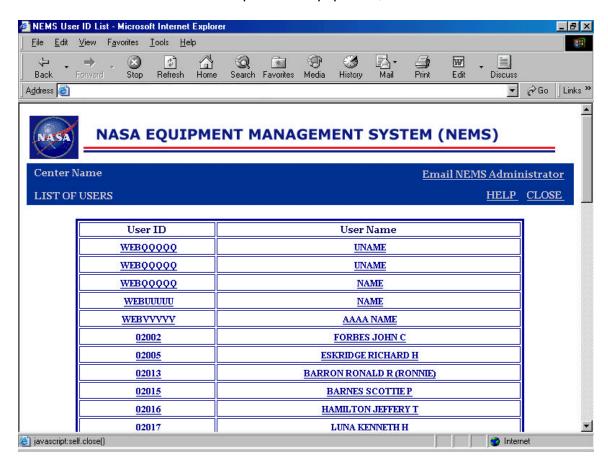


INPUT DATA

 Enter A New Starting Value and click the SUBMIT button. The list of User IDs from NEMS table 090 will be displayed starting with the User ID entered or with the next User ID if that one is not available.

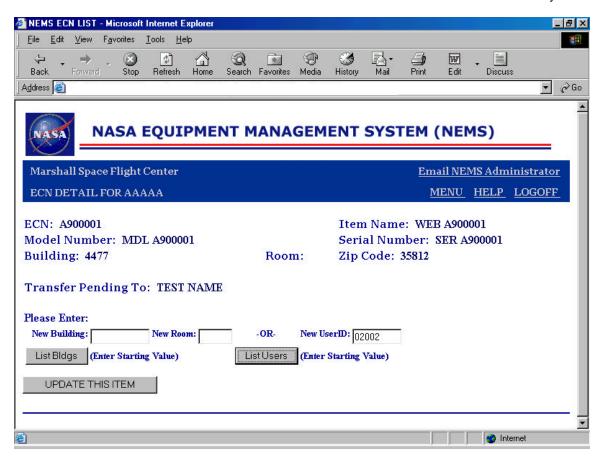
3.3.1.3.2.1.3 List User IDs - Selection

To select a new User ID for the piece of equipment, click on the User ID.



INPUT DATA

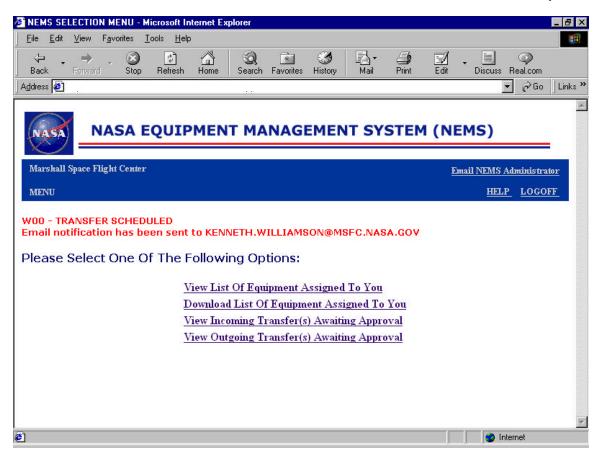
 Click on User ID or User Name.
 The User ID will be passed back to the List of Equipment screen in the New User ID field.



INPUT DATA

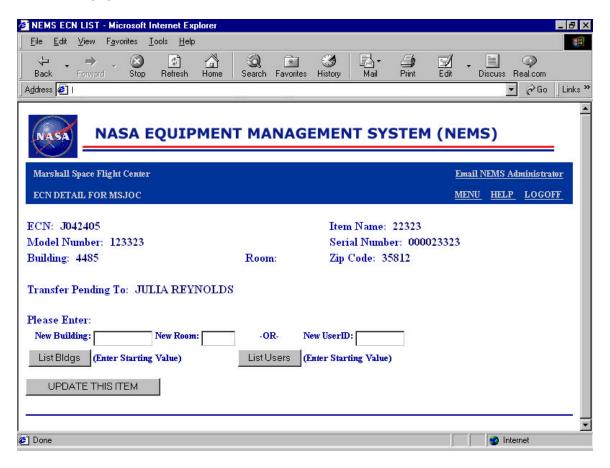
• Click **UPDATE THIS ITEM** button.

Upon validation of the new User ID, the ECN is added to the pending file for approval by the new user. The NEMS Web Menu is displayed with a message indicating that the transaction was successfully completed and an email notification has been sent to the new user.



3.3.1.4 View List of Equipment Assigned to You -Transferred

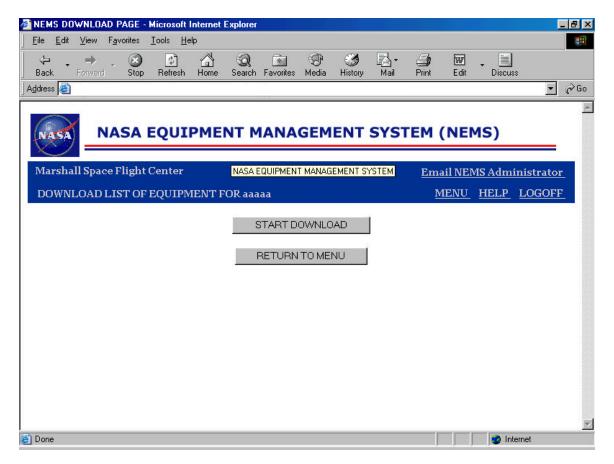
If the transfer has not been approved, then the next time the list of equipment is displayed there will be a message on that piece of equipment notifying the user who the equipment was transferred to.



If the transfer is approved, the ECN is removed from the current user's list.

3.3.2 Download List Of Equipment Assigned To You

The Download List of Equipment Assigned To You will allow a user to download the list of equipment assigned to them.

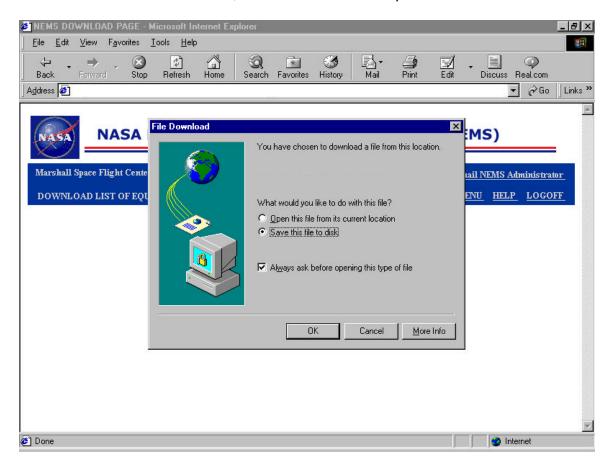


- If the User clicks on the **START DOWNLOAD** button, a dialog box for downloading the file is displayed.
- If the User clicks on the **RETURN TO MENU** button, the NEMS Web Menu is redisplayed.

3.3.2.1 Download List of Equipment – Start Download

Select Start Download on the Download List of Equipment for user to start the download process. This example of the download is using Microsoft Explorer 5.0.

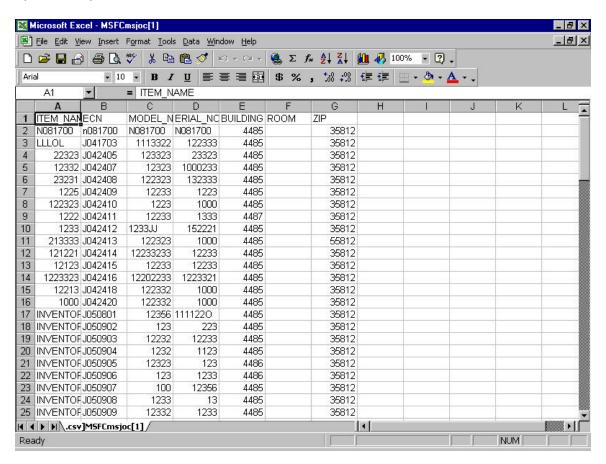
After the download has started, a dialog box will be displayed asking the user what they would like to do with this file. If the Open this file from its current location is chosen, a spreadsheet with the equipment list will be opened. If the Save this file to disk is chosen, the file is saved to a specified location.



- Click on either of the following options:
 - Open this file from its current location
 - Save this file to disk
- Click the **OK** button.
- Click on the **Cancel** button. This will cancel the download of the user's equipment.

3.3.2.2 Download List of Equipment – Open

Select Open this file from its current location on the File Download dialog box to open the spreadsheet.

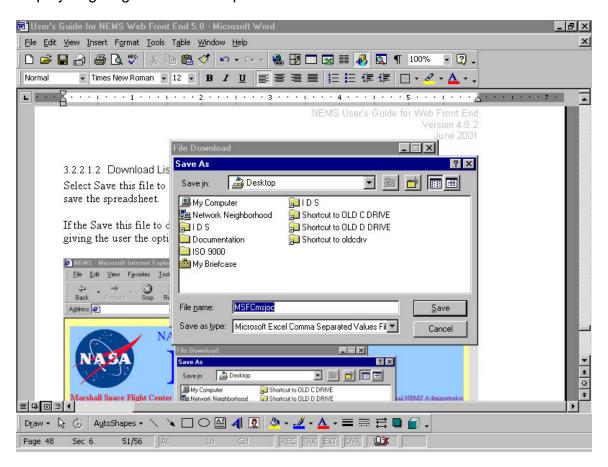


To save this file, the user must select File, and then select SAVE AS. The user must select the location in which to save the file.

3.3.2.3 Download List of Equipment - Save

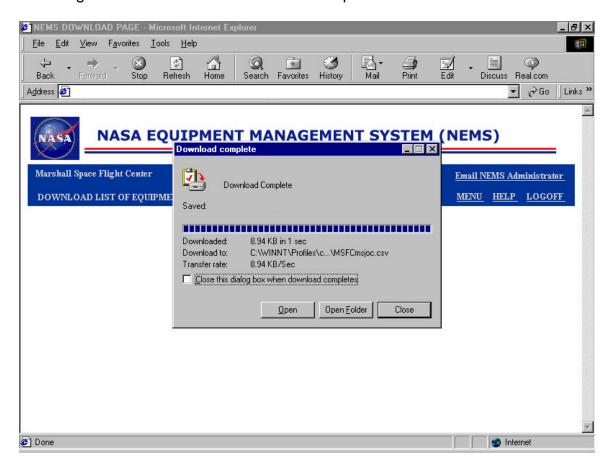
Select Save this file to disk from its current location on the File Download dialog box to save the spreadsheet.

If the Save this file to disk option is chosen, then another dialog box will be displayed giving the user the option of where to store the file.



- Save in: The directory where the file is saved.
- File name: The name of the file.
- Click on the **Save** button. This will save the downloaded equipment file in the location chosen by the user.
- Click on the **Cancel** button. This will cancel the download of the user's equipment.

After clicking on the OK button, the equipment will be downloaded to the desired location. When the download has completed a dialog box will be displayed informing the user that the download has completed.

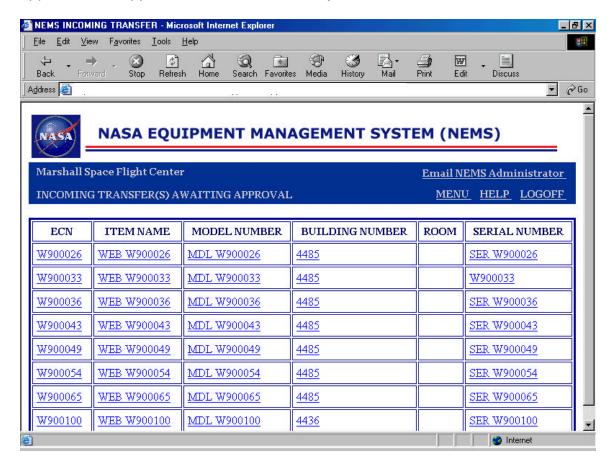


- Click on one of the following buttons:
 - o **Open** Opens the file.
 - Open Folder Opens the folder that contains the file.
 - Closes the dialog box.

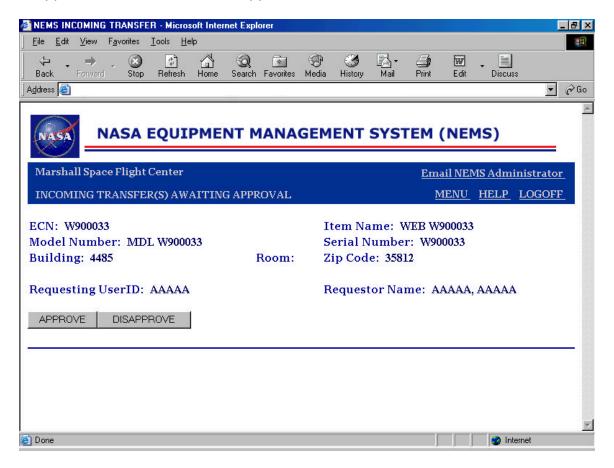
3.3.3 View Incoming Transfer(s) Awaiting Approval

Select View Incoming Transfer(s) Awaiting Approval on the NEMS Web Menu to display the list of transfers awaiting approval by the user.

The ECN, Item Name, Model Number, Building Number, Room, and Serial Number is displayed for each piece of equipment that is waiting approval to be transferred to them. To see more detail about any piece of equipment and to approve or disapprove the transfer, click any field on that line.



The View Incoming Transfer(s) Awaiting Approval allows the user to see what equipment is waiting approval to be transferred to them. The user has the option to approve the transfer or to disapprove the transfer.

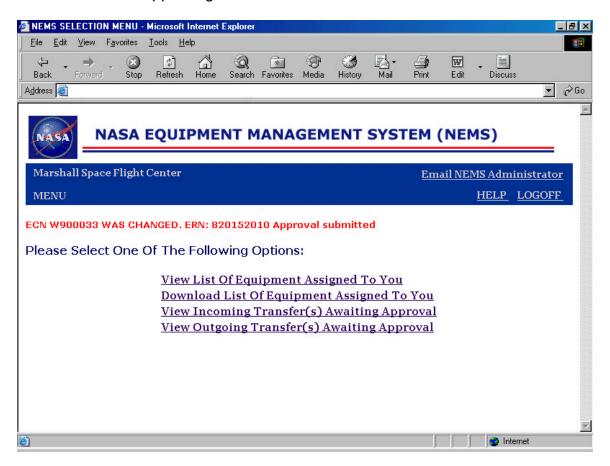


- Click one of the following buttons:
 - Approve accepts the transfer
 - Disapprove rejects the transfer

3.3.3.1 View Incoming Transfer(s) Awaiting Approval – Approve

Click the Approve button on the Incoming Transfer(s) Awaiting Approval screen to accept the transfer.

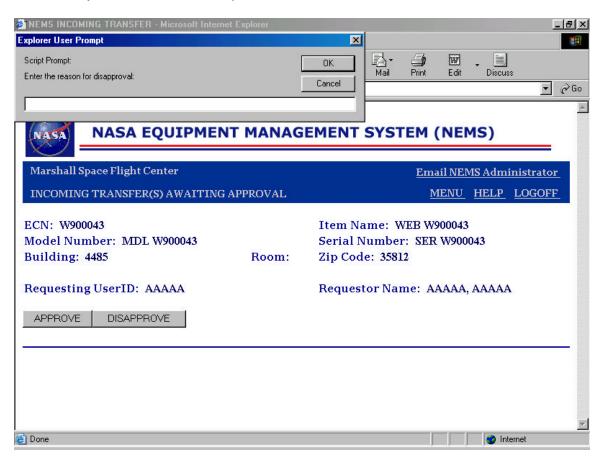
If the transfer is approved, then the NEMS Web Menu is displayed with a message indicating the ECN was changed. The approved equipment is officially transferred to the approving user.



3.3.3.2 View Incoming Transfer(s) Awaiting Approval – Disapprove

Click the Disapprove button on the Incoming Transfer(s) Awaiting Approval screen to reject the transfer.

If the transfer is disapproved, a comment box will be displayed for entry of the reason why the transfer was rejected.

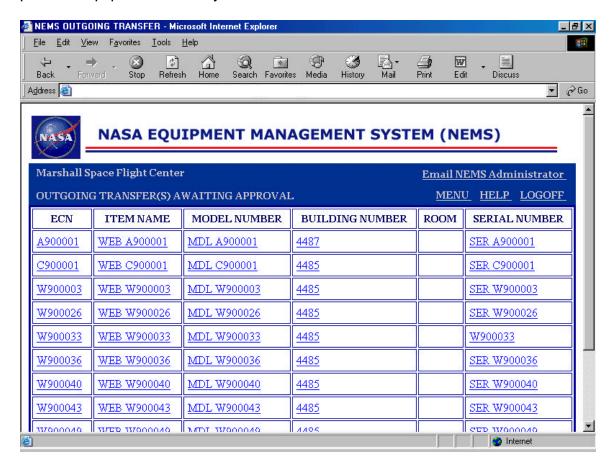


- Enter the reason for disapproval: required
- Click on the **OK** button to confirm reason.
- Click on the Cancel button to cancel the rejection.

3.3.4 View Outgoing Transfer(s) Awaiting Approval

Select View Outgoing Transactions Awaiting Approval on the NEMS Web Menu to display the list of outgoing transfers awaiting approval.

The View Outgoing Transfer(s) Awaiting Approval option displays the ECN, Item Name, Model Number, Building Number, Room, and Serial Number for transactions awaiting approval from another user. To see more detail about any piece of equipment click any field on that line.



The detail for the selected piece of equipment is displayed.

